

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled)

2. (Currently Amended) A rotating electric machine, comprising:

a stator provided with a plurality of windings;

a rotor core rotatably fixed

on a rotary shaft inside said stator; and

a plurality of magnets disposed in slots formed in said rotor core,

wherein said plurality of magnets are arranged such that, among those ones of said plurality of magnets constituting one magnetic pole, the magnet arranged on the magnetic pole end side is oriented to incline toward a magnetic pole center position and,

a circumferential angle occupied by those ones of said plurality of magnets constituting one magnetic pole is in the range of 150 to 165 degrees in terms of an electrical angle wherein, among those ones of said plurality of magnets

constituting one magnetic pole, the magnet arranged on the magnetic pole end side is oriented to inclined toward the magnetic pole center position such that an angle formed between said magnet and a line tangential to a point at which a straight line, which passes both the center of said rotary shaft and the center of said magnet crosses an outer circumferential surface of said rotor core is in the range of 2 to 6 degrees.

3. (Canceled)

4. (Currently Amended) A rotating electric machine according to Claim 2 [[or 3]], wherein a circular arc passing the centers of the magnets among those ones of said plurality of magnets constituting one magnetic pole, which are arranged on the magnetic pole end sides, has a smaller diameter than a circular arc passing the center of the magnet thereamong arranged on the magnetic pole center side.

5. (Canceled)

6. (Original) A rotating electric machine according to Claim 2, wherein said slots are shaped such that slits are formed between adjacent two of said plurality of magnets.

7. (Canceled)

8. (Original) A rotating electric machine according to Claim 6, wherein a magnet fixing material is sealed in said slits.

9. (Canceled)

10. (Original) A rotating electric machine according to Claim 2, wherein said magnet is in the form of a simple flat plate.

11. (Original) A rotating electric machine according to Claim 3, wherein said magnet is in the form of a simple flat plate.

12. (New) A rotating electric machine according to Claim 2, wherein said one magnetic pole consists of more than three magnets.

13. (New) A rotating electric machine according to Claim 2, wherein said rotating electric machine has only two magnetic poles.

14. (New) A rotating electric machine, comprising:

a stator provided with a plurality of windings;

a rotor core rotatably fixed on a rotary shaft inside said stator; and

a plurality of magnets disposed in slots formed in said rotor core,

wherein, in a section perpendicular to the direction of an axis of said rotor core, a circumferential angle occupied by those ones of said plurality of magnets constituting one magnetic pole is in the range of 150 to 165 degrees in terms of an electric angle,

in a section perpendicular to the direction of an axis of said rotor core, among those ones of said plurality of magnets constituting one magnetic pole, the magnet arranged on the magnetic pole end side is arranged such that the magnet oriented on a straight line passing both the center of said rotary shaft and the center of the magnet, and the magnet is orientated in the direction which is in agreement with an outer radial direction of the rotor core, and an angle formed between a longer side of the magnet and a line tangential to a point at which the straight line passing both the center of the rotary shaft and the center of the magnet crosses an outer circumferential surface of the rotor core is in the range of 2 to 6 degree.

15. (New) A rotating electric machine according to Claim 14, wherein said one magnetic pole consists of more than three magnets.

16. (New) A rotating electric machine according to Claim 14, wherein said rotating electric machine has only two magnetic poles.

17. (New) A rotating electric machine according to Claim 12, wherein said rotating electric machine has only two magnetic poles.

18. (New) A rotating electric machine according to Claim 15, wherein said rotating electric machine has only two magnetic poles.